

R Dustin Schaeffer

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

3,963
citations

567281

15
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

3489
citing authors

#	ARTICLE	IF	CITATIONS
1	A Fifth of the Protein World: Rossmann-like Proteins as an Evolutionarily Successful Structural unit. <i>Journal of Molecular Biology</i> , 2021, 433, 166788.	4.2	26
2	Completeness and Consistency in Structural Domain Classifications. <i>ACS Omega</i> , 2021, 6, 15698-15707.	3.5	8
3	Accurate prediction of protein structures and interactions using a three-track neural network. <i>Science</i> , 2021, 373, 871-876.	12.6	2,843
4	Topology evaluation of models for difficult targets in the 14th round of the critical assessment of protein structure prediction (CASP14). <i>Proteins: Structure, Function and Bioinformatics</i> , 2021, 89, 1673-1686.	2.6	35
5	Target classification in the 14th round of the critical assessment of protein structure prediction (CASP14). <i>Proteins: Structure, Function and Bioinformatics</i> , 2021, 89, 1618-1632.	2.6	32
6	Assessment of domain interactions in the fourteenth round of the Critical Assessment of Structure Prediction (CASP14). <i>Proteins: Structure, Function and Bioinformatics</i> , 2021, 89, 1700-1710.	2.6	8
7	ECOD: identification of distant homology among multidomain and transmembrane domain proteins. <i>BMC Molecular and Cell Biology</i> , 2019, 20, 18.	2.0	12
8	Functional analysis of Rossmann-like domains reveals convergent evolution of topology and reaction pathways. <i>PLoS Computational Biology</i> , 2019, 15, e1007569.	3.2	45
9	A sequence family database built on ECOD structural domains. <i>Bioinformatics</i> , 2018, 34, 2997-3003.	4.1	5
10	Searching ECOD for Homologous Domains by Sequence and Structure. <i>Current Protocols in Bioinformatics</i> , 2018, 61, e45.	25.8	7
11	ECOD: new developments in the evolutionary classification of domains. <i>Nucleic Acids Research</i> , 2017, 45, D296-D302.	14.5	68
12	CASP 11 target classification. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, 20-33.	2.6	31
13	Classification of proteins with shared motifs and internal repeats in the ECOD database. <i>Protein Science</i> , 2016, 25, 1188-1203.	7.6	23
14	Estimation of Uncertainties in the Global Distance Test (GDT_TS) for CASP Models. <i>PLoS ONE</i> , 2016, 11, e0154786.	2.5	8
15	Manual classification strategies in the ECOD database. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 1238-1251.	2.6	64
16	ECOD: An Evolutionary Classification of Protein Domains. <i>PLoS Computational Biology</i> , 2014, 10, e1003926.	3.2	321
17	Manifestations of Native Topology in the Denatured State Ensemble of <i>Rhodospseudomonas palustris</i> Cytochrome c . <i>Biochemistry</i> , 2011, 50, 1029-1041.	2.5	19
18	Protein folds and protein folding. <i>Protein Engineering, Design and Selection</i> , 2011, 24, 11-19.	2.1	59

#	ARTICLE	IF	CITATIONS
19	Generation of a consensus protein domain dictionary. <i>Bioinformatics</i> , 2011, 27, 46-54.	4.1	33
20	Dynameomics: A Comprehensive Database of Protein Dynamics. <i>Structure</i> , 2010, 18, 423-435.	3.3	131
21	Identification of Multiple Folding Pathways Shared by Three-Helix Bundle Proteins. <i>Biophysical Journal</i> , 2010, 98, 636a.	0.5	0
22	Dynameomics: protein dynamics and unfolding across fold space. <i>Biomolecular Concepts</i> , 2010, 1, 335-344.	2.2	1
23	Combining experiment and simulation in protein folding: closing the gap for small model systems. <i>Current Opinion in Structural Biology</i> , 2008, 18, 4-9.	5.7	98
24	Dynameomics: mass annotation of protein dynamics and unfolding in water by high-throughput atomistic molecular dynamics simulations. <i>Protein Engineering, Design and Selection</i> , 2008, 21, 353-368.	2.1	60